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Ohio Agricultural Experiment Station

DEPARTMENT OF FORESTRY

In Cooperation With

U. S. Department of Agriculture - Forest Service  
CENTRAL STATES FOREST EXPERIMENT STATION

7/10  
7/11

Technical Note 31

LOCAL VOLUME TABLE 1/

May 1, 1941

for

BLACK WALNUT

(*Juglans nigra*)

in Franklin County, Ohio

INTERNATIONAL RULE ( $\frac{1}{4}$ " kerf)

Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (inches)	Volume per tree	Average merchant- able length	Basis in trees
	Board feet	Feet	Number
8	10	23	1
9	23	24	5
10	37	24.5	3
11	52	25	5
12	68	26	3
13	87	26.5	9
14	107	27	5
15	127	27.5	5
16	149	28	6
17	173	28.5	4
18	200	29	5
19	232	30	3
20	266	30.5	2
21	302	31	3
22	343	31.5	3
23	387	32	4
24	435	32.5	4
25	485	33	1
26	538	33.5	3
27	595	34	1
28	655	34.5	2
29	717	35	-
30	783	35.5	-
31	852	36	2

1/

Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 -- "the Ohio Woodland Survey." Measurements taken at 12.3-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Basis, 79 trees.

Table prepared, in 1941, by curving volume of merchantable length over d.b.h.

Aggregate difference: table is 0.81% high. Average percentage deviation of basic data from table, 22.5%.

W. O. Schramm

L. F. Kellogg

